FOR OFFICIAL USE ONLY

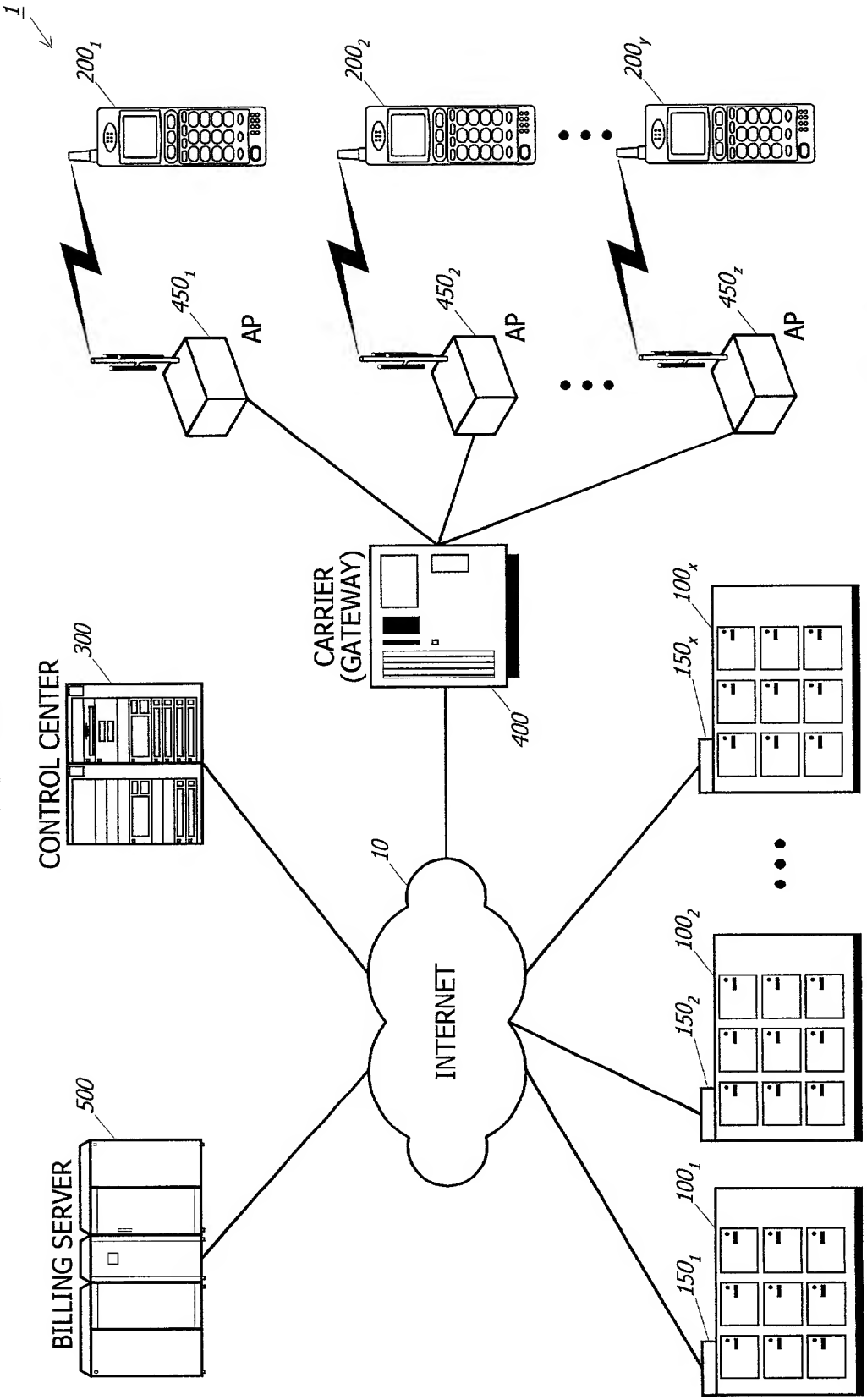


FIG. 1

Sheet 2 of 23

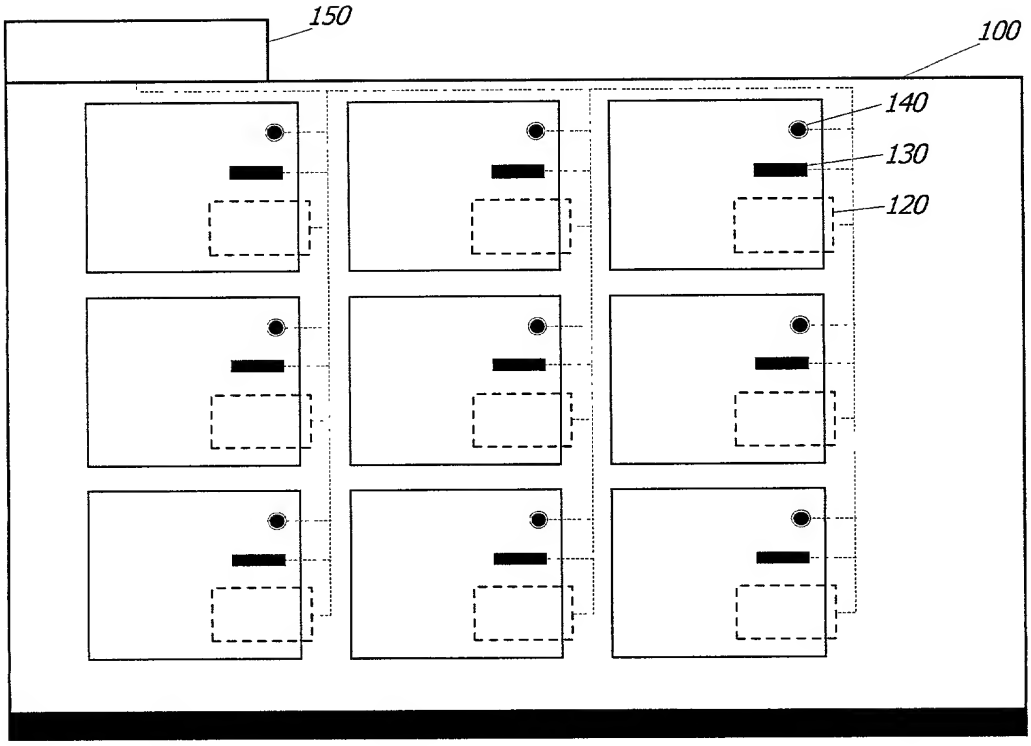


FIG. 2

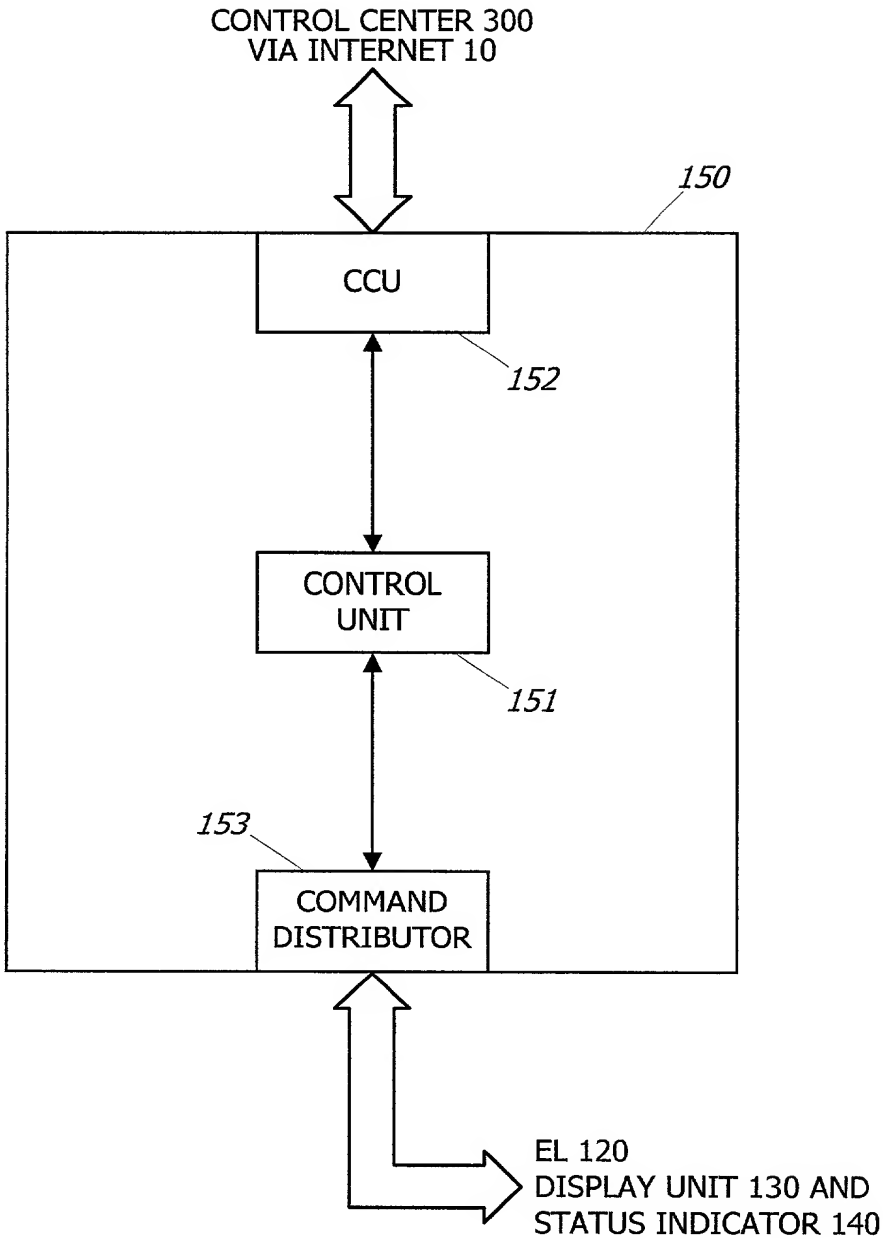


FIG. 3

Q67776 - 10/023,804

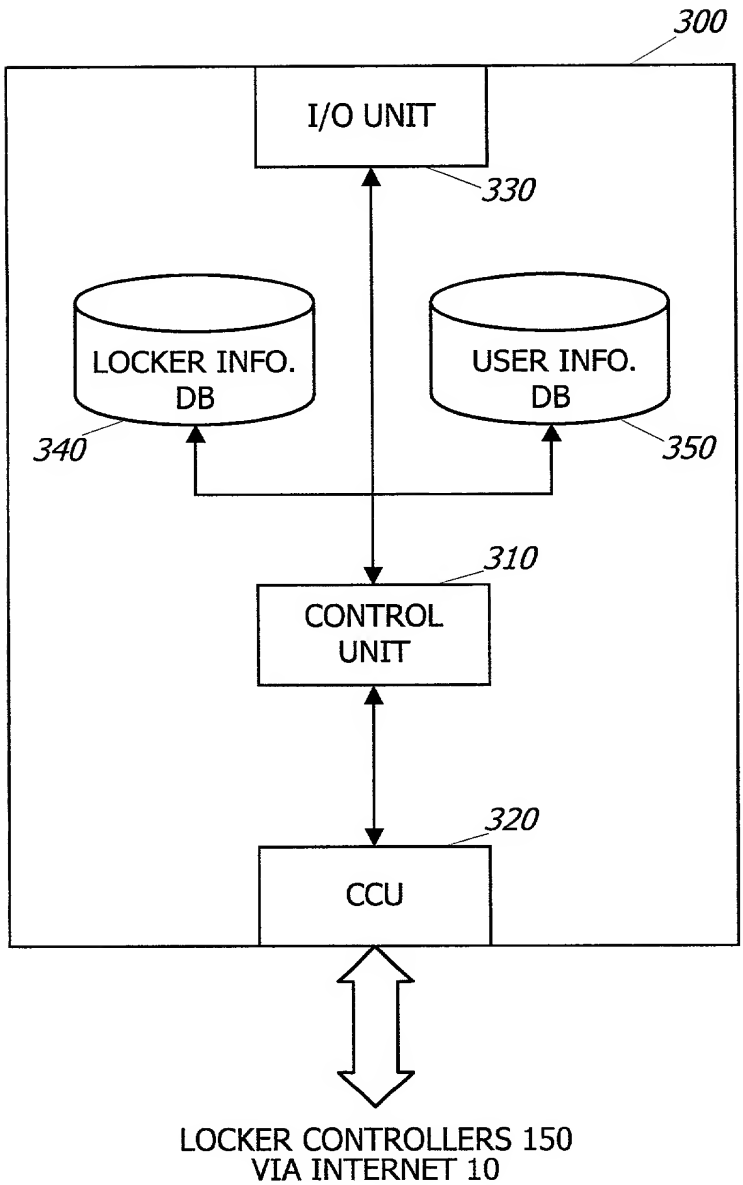

300
I/O UNIT
330
LOCKER INFO. DB
340
USER INFO. DB
350
310
CONTROL UNIT
320
CCU
LOCKER CONTROLLERS 150
VIA INTERNET 10

FIG. 4

LOCKER INFORMATION DATABASE 340

AREA	LOCKER NO.	BOX NO.	FEE/h	STATUS		START TIME	OTP	USER ID	ADDITIONAL INFO.
				RES.	OCCU.				
TOKYO 001	A001	01	$1.99-	YES	NO	---	********	ABC001	map001_a001.gif
		02		---	YES	NOV.26 20:50	********	EFG002	
		⋮	⋮	⋮	⋮	⋮	⋮	⋮	
		24	$2.50-	NO	NO	---	---	---	
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
	Z999	01	$1.85-	---	YES	NOV. 26 14:15	********	XYZ999	map001_z999.gif
		02		NO	NO	---	---	---	
		⋮		⋮	⋮	⋮	⋮	⋮	
		15		NO	NO	---	---	---	
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 5

U.S. Application of Y. INOMATA
Filed: December 21, 2001
"Locker System, Locker Controlling Method,
Control Center, and Recording Medium
Q67776

USER INFORMATION DATABASE 350

USER ID	LOGIN PASSWORD	USER ATTRIBUTE DATA	PAYMENT
ABC001	********	Yoshihiro INOMATA ***, Minato-ku, Tokyo 03-****-1234 ⋮	CREDIT CARD
⋮	⋮	⋮	⋮

FIG. 6

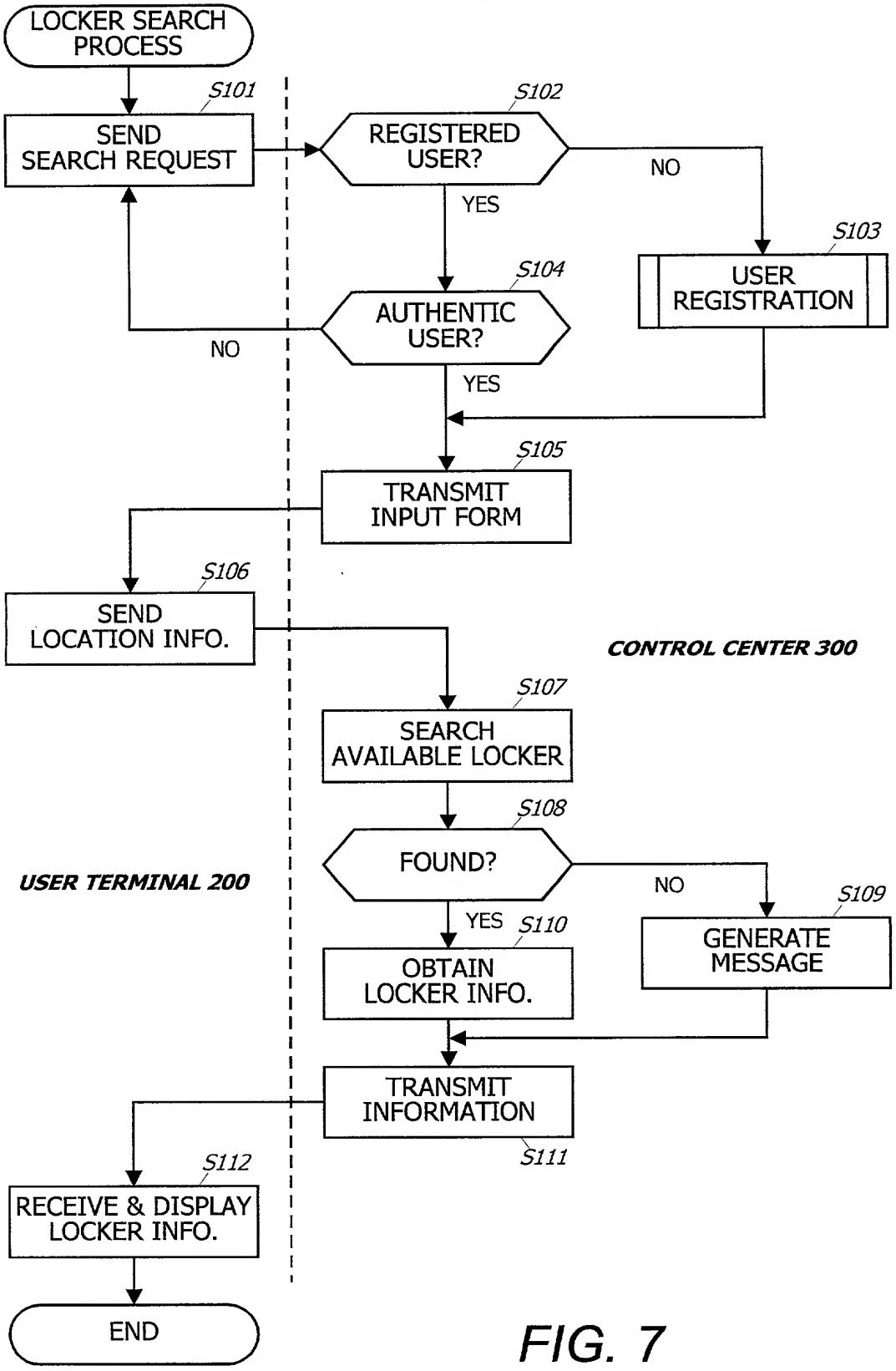


FIG. 7

EPO - DG 2004

FIG. 8A

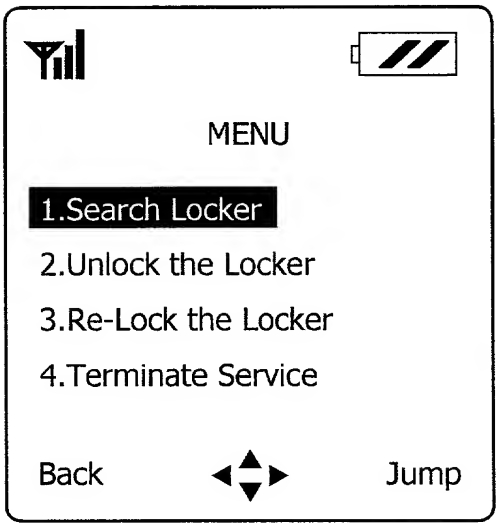
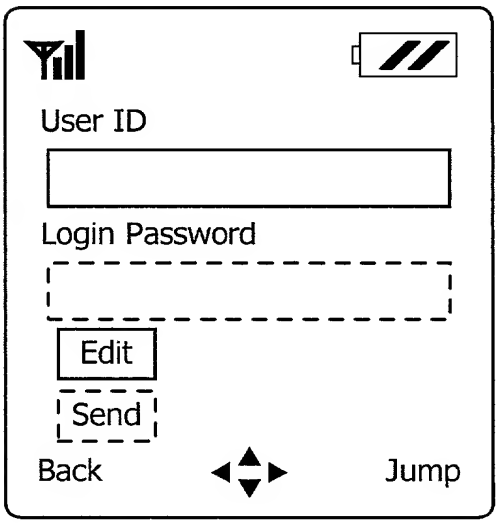


FIG. 8B

FIG. 8C



Docket #: 2657-0104

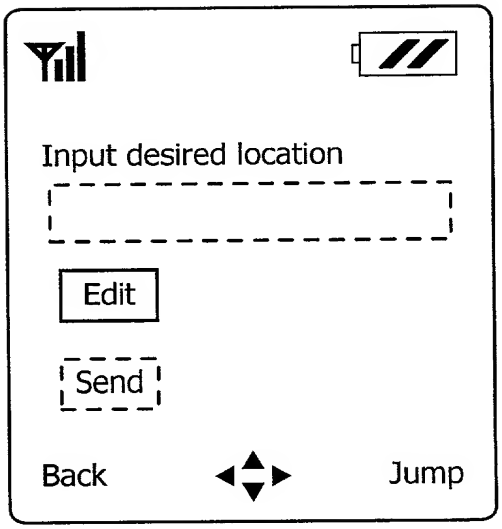


FIG. 9A

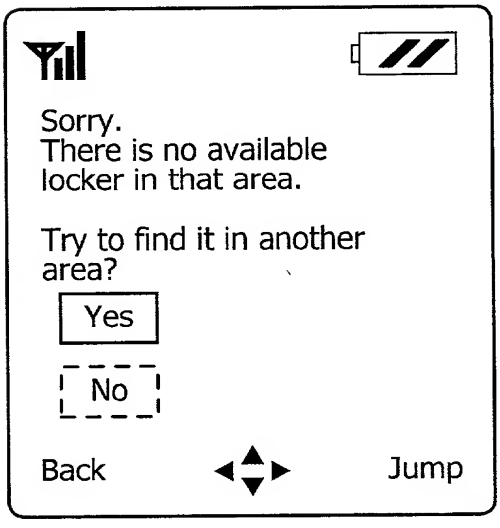


FIG. 9B

FOR EXAMPLE ONLY

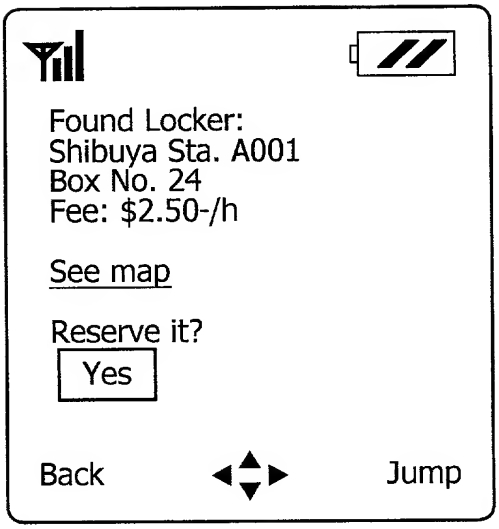


FIG. 10A

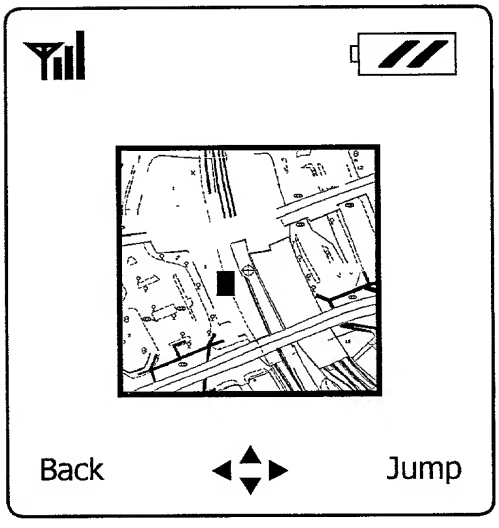


FIG. 10B

Patent Application Publication

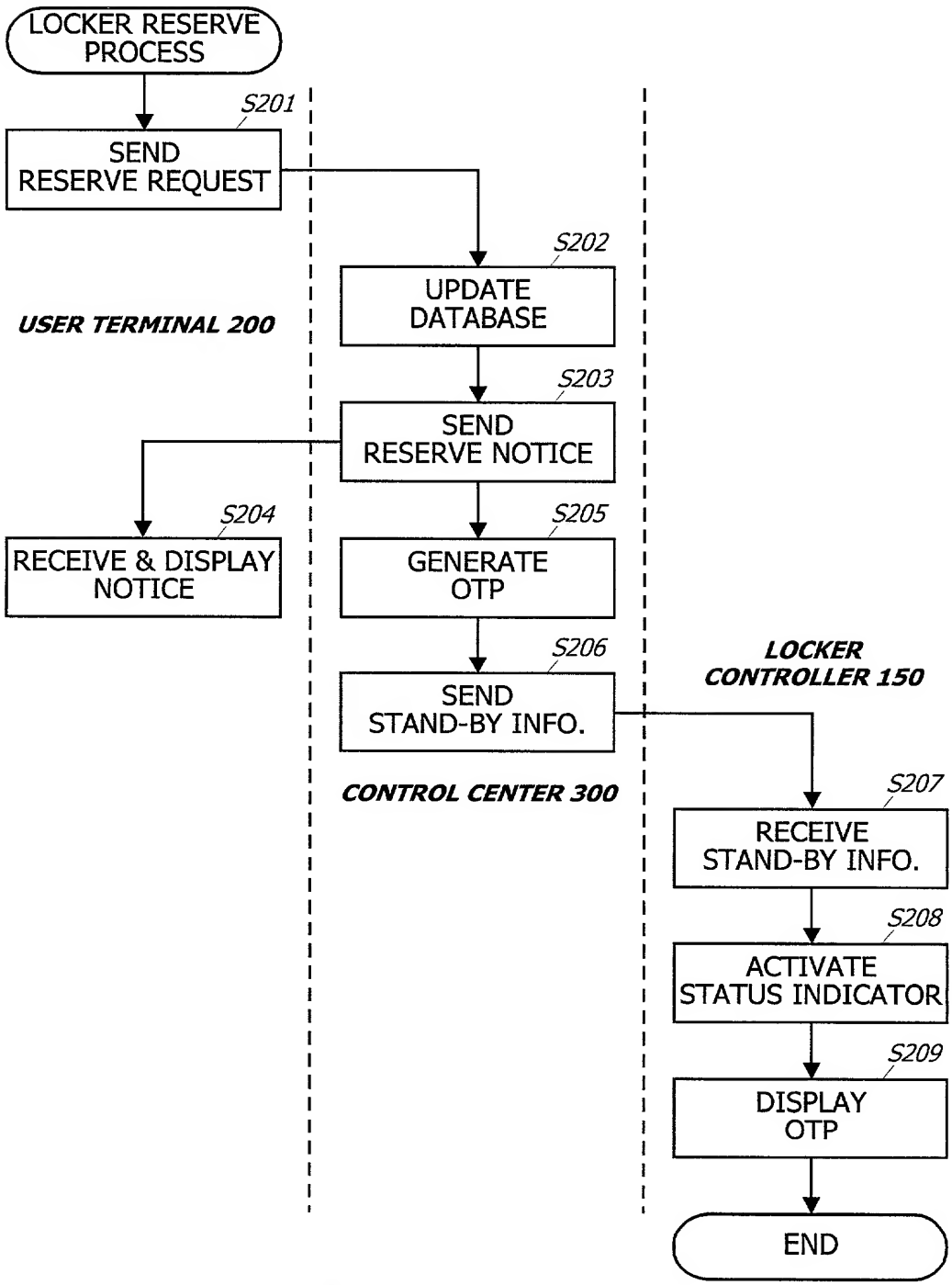


FIG. 11

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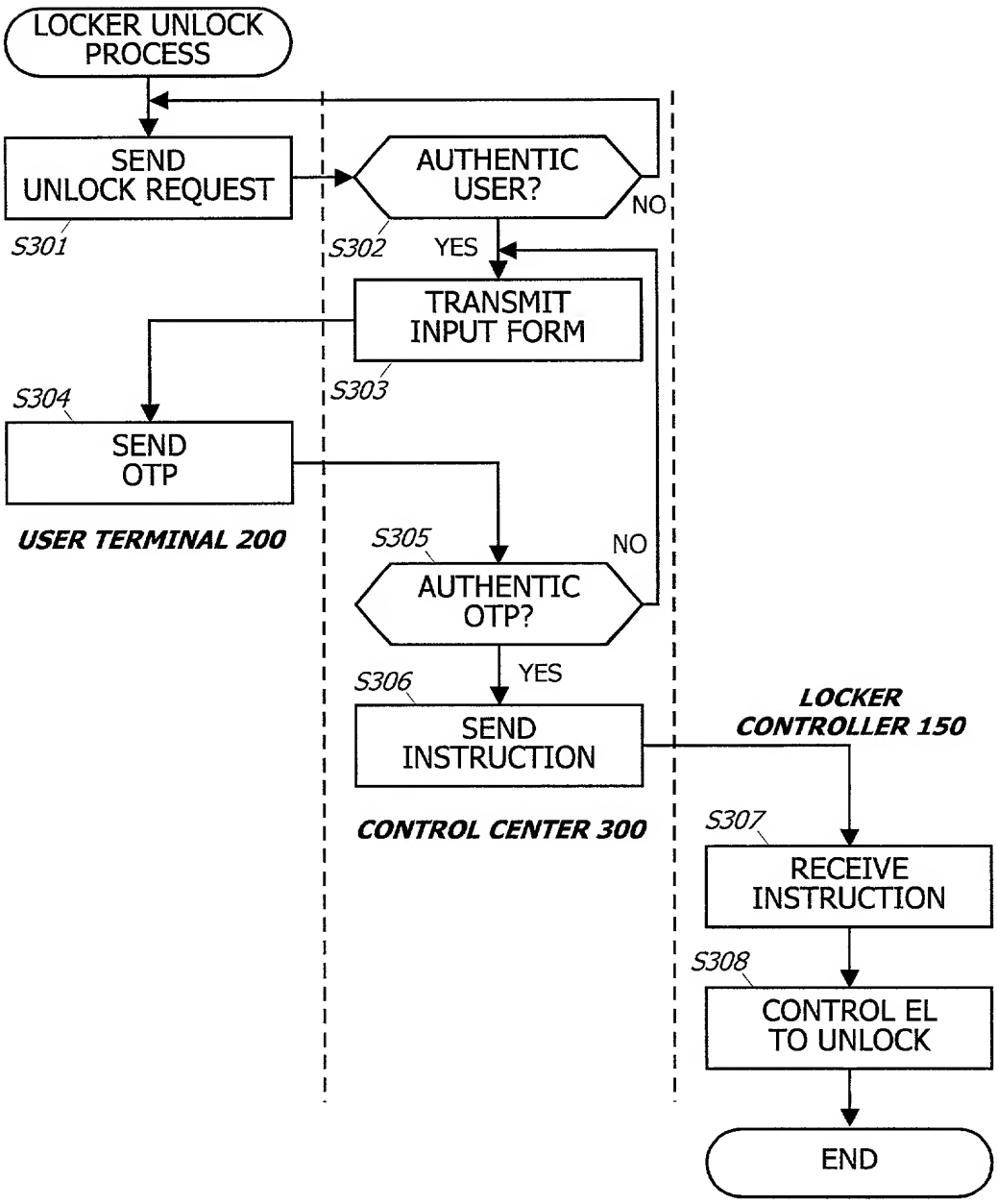
LOCKER UNLOCK PROCESS
SEND UNLOCK REQUEST
S301
AUTHENTIC USER?
S302
NO
YES
TRANSMIT INPUT FORM
S303
S304
SEND OTP
USER TERMINAL 200
S305
AUTHENTIC OTP?
NO
YES
S306
SEND INSTRUCTION
CONTROL CENTER 300
LOCKER CONTROLLER 150
S307
RECEIVE INSTRUCTION
S308
CONTROL EL TO UNLOCK
END

FIG. 12

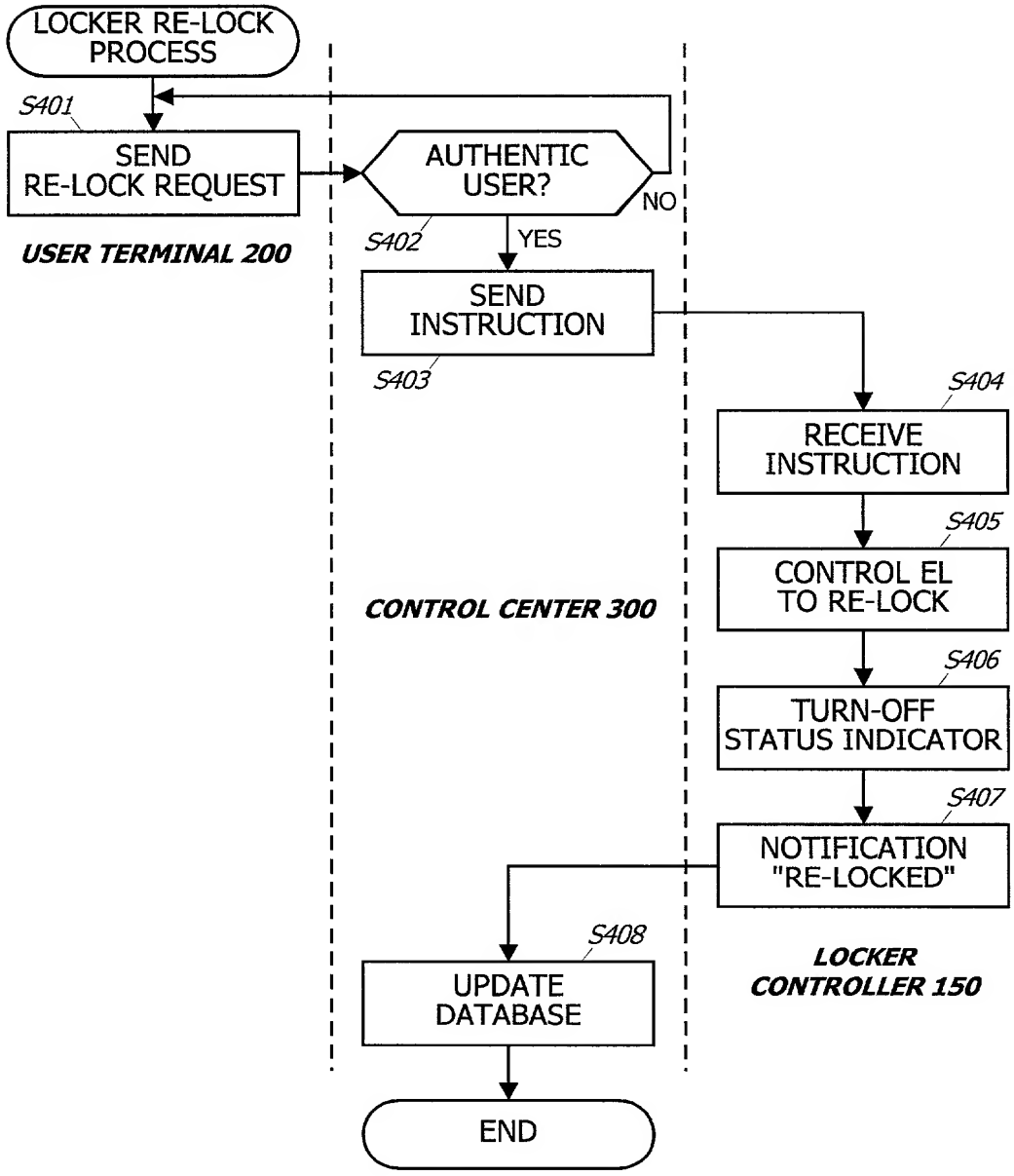

FIG. 13

JP2002-368704

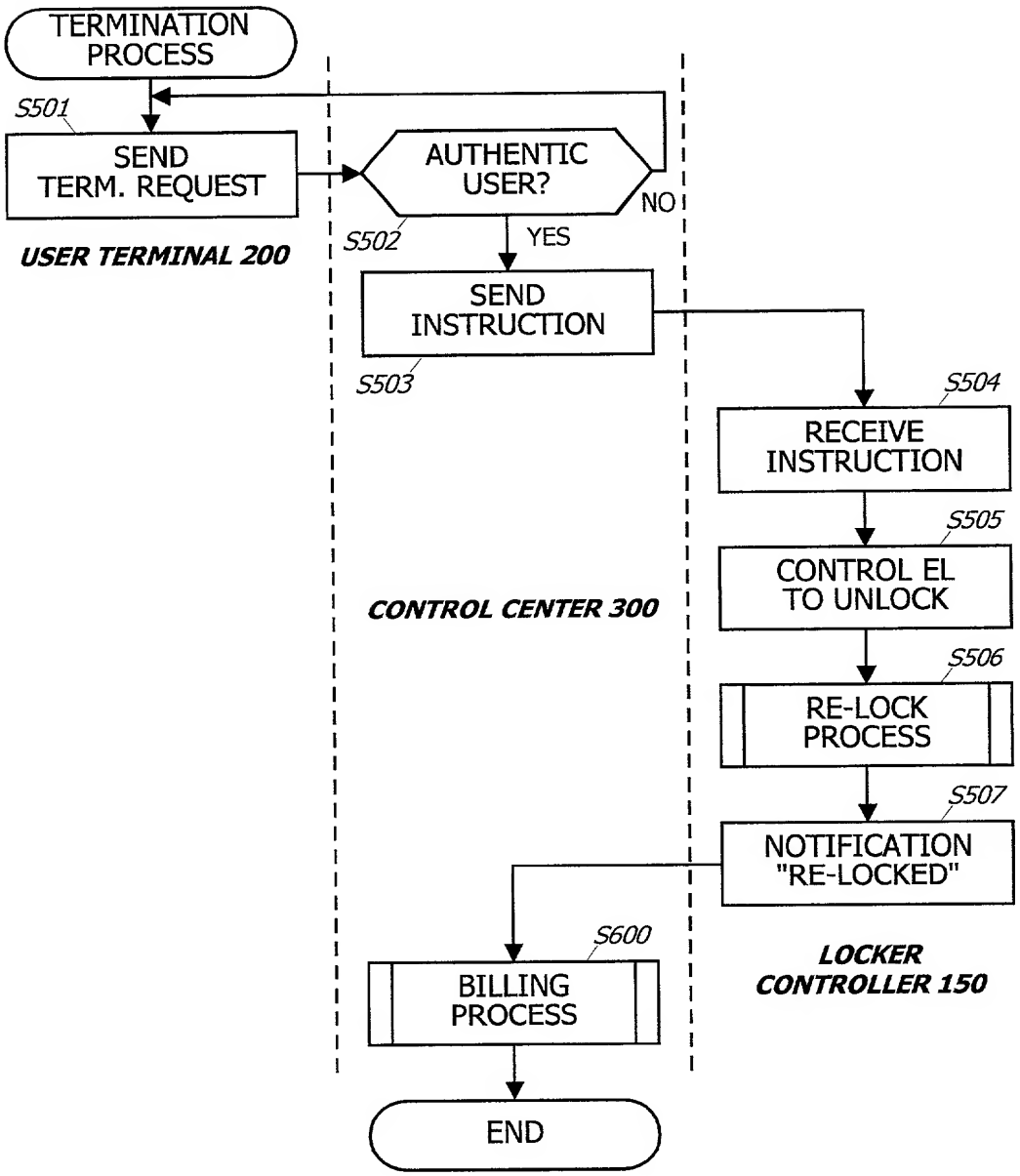

FIG. 14

JP2002-203284

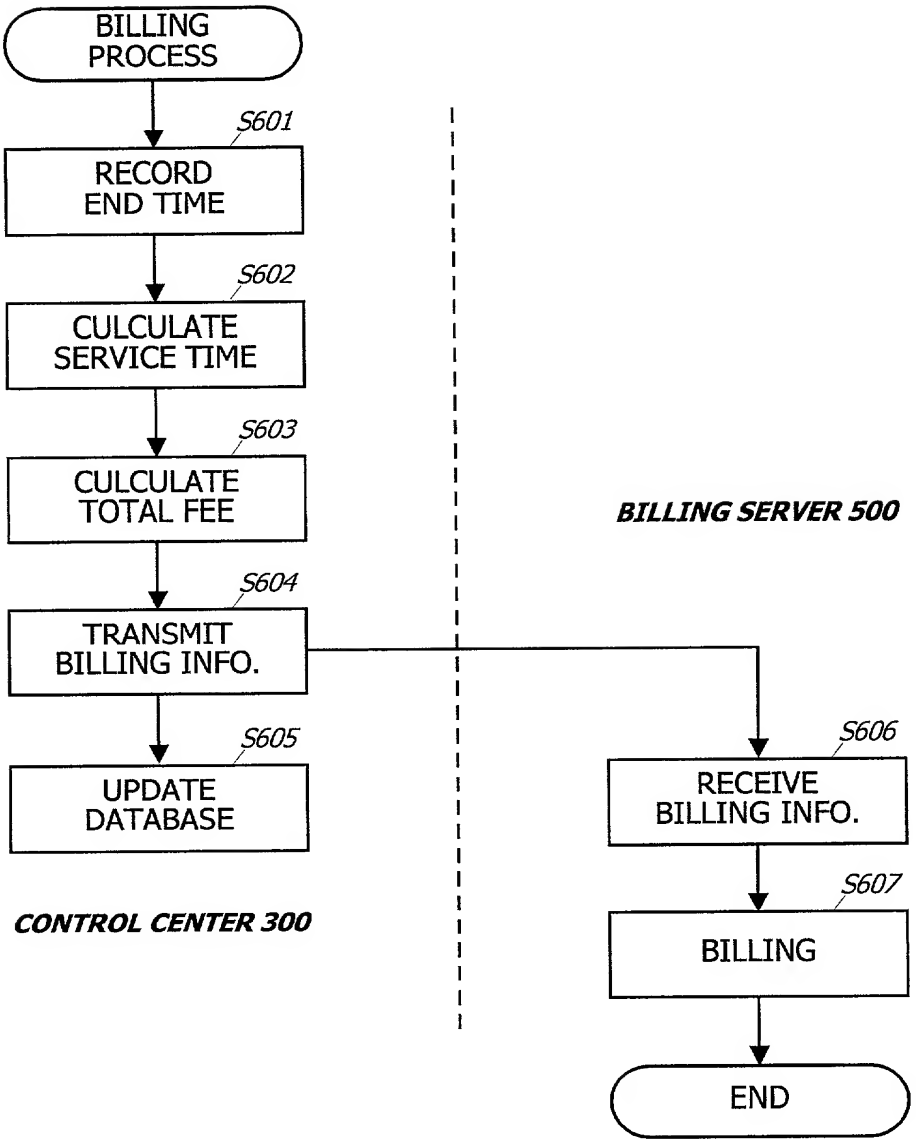
BILLING PROCESS
S601
RECORD END TIME
S602
CULCULATE SERVICE TIME
S603
CULCULATE TOTAL FEE
S604
TRANSMIT BILLING INFO.
S605
UPDATE DATABASE
CONTROL CENTER 300
BILLING SERVER 500
S606
RECEIVE BILLING INFO.
S607
BILLING
END

FIG. 15

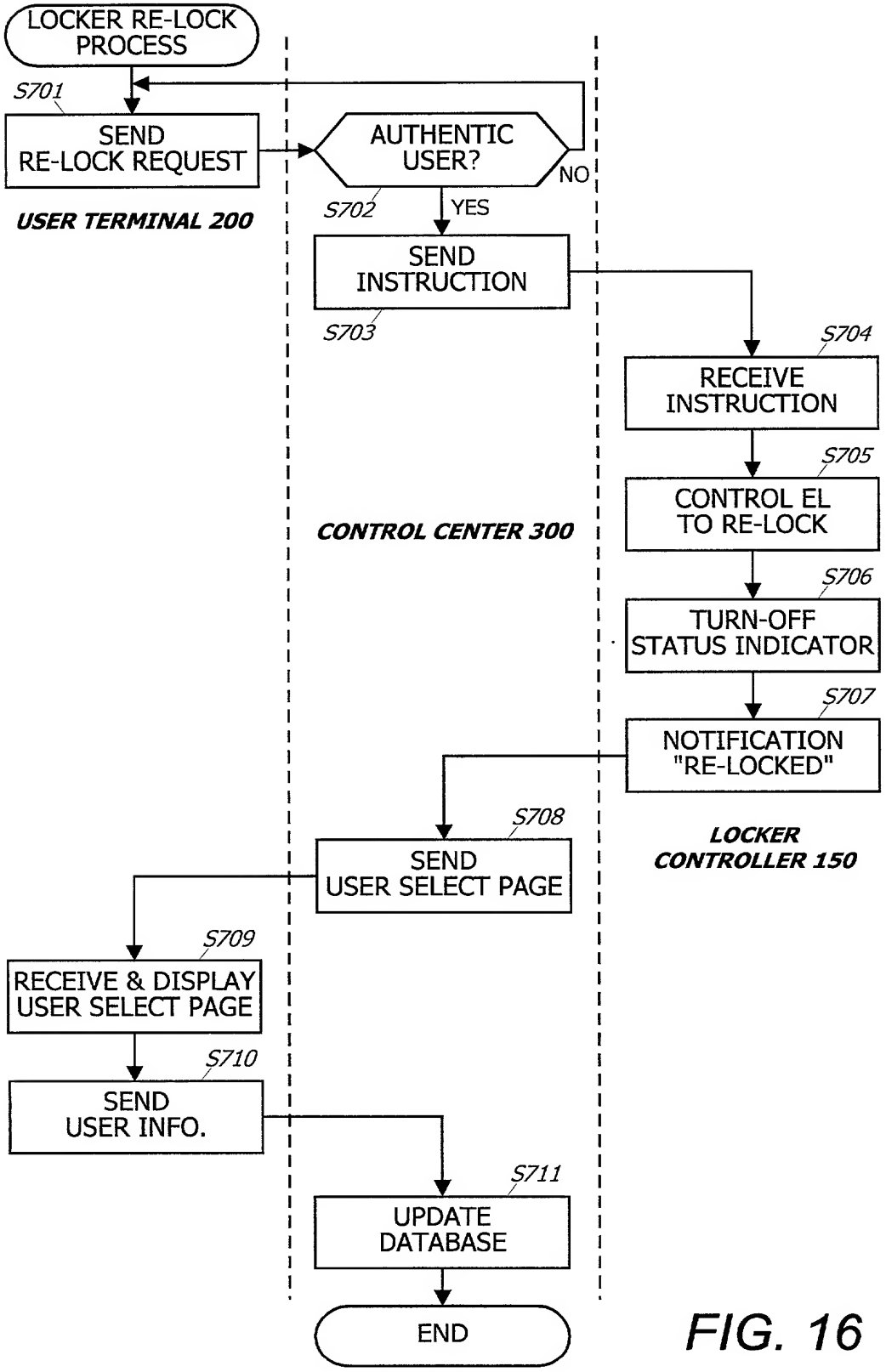

FIG. 16

Patent Application

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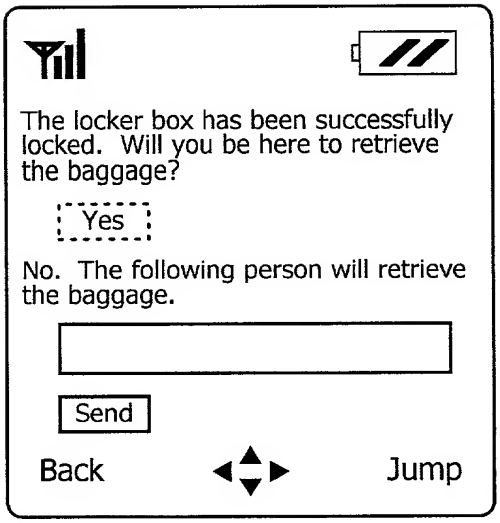

FIG. 17

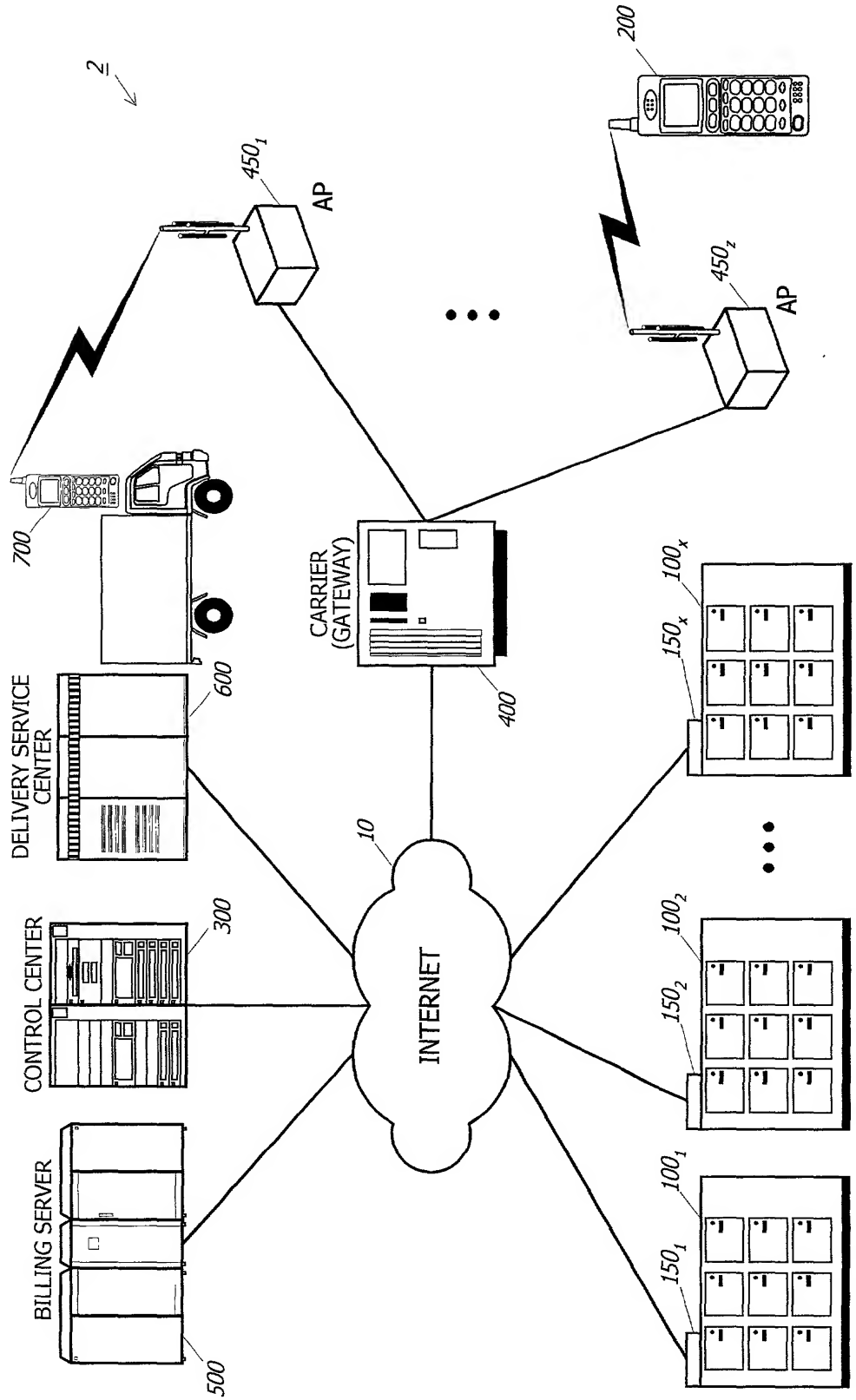
2
200
450_1
AP
450_z
AP
700
CARRIER (GATEWAY)
400
100_x
150_x
600
DELIVERY SERVICE CENTER
10
INTERNET
100_2
150_2
300
CONTROL CENTER
100_1
150_1
BILLING SERVER
500

FIG. 18

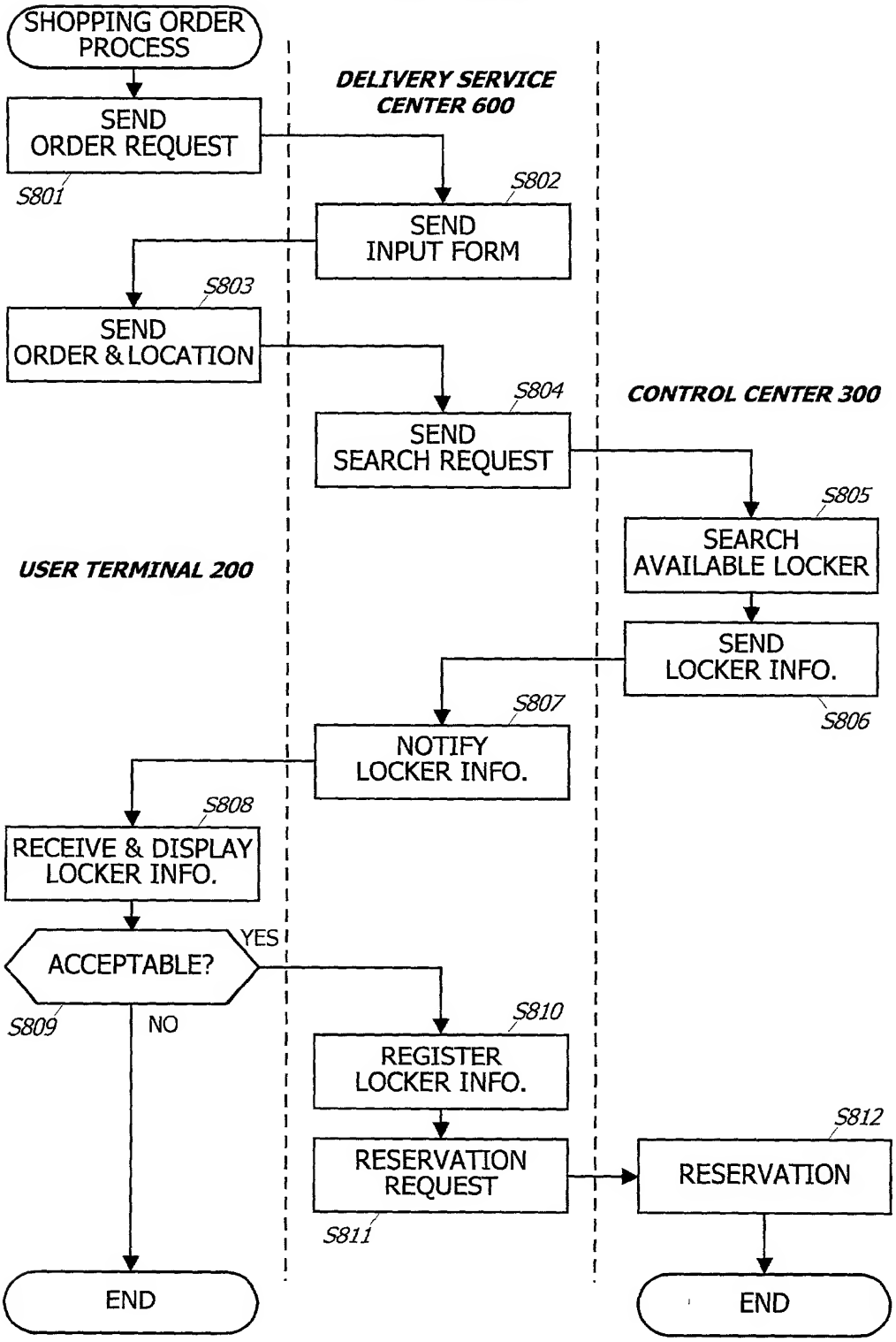

FIG. 19

Patent Application

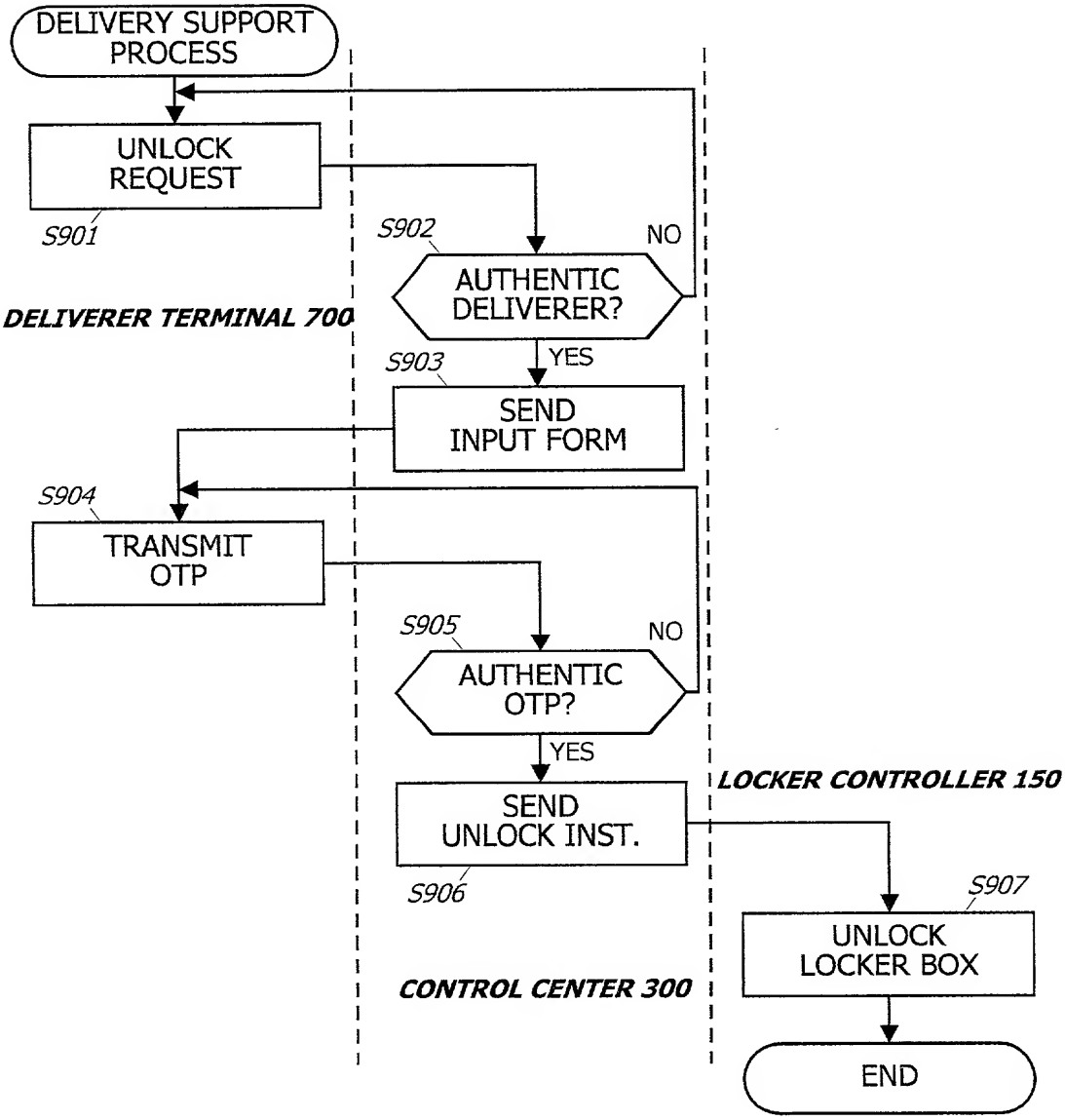
DELIVERY SUPPORT PROCESS
UNLOCK REQUEST
S901
S902
NO
AUTHENTIC DELIVERER?
DELIVERER TERMINAL 700
S903
YES
SEND INPUT FORM
S904
TRANSMIT OTP
S905
NO
AUTHENTIC OTP?
YES
LOCKER CONTROLLER 150
SEND UNLOCK INST.
S906
S907
UNLOCK LOCKER BOX
CONTROL CENTER 300
END

FIG. 20

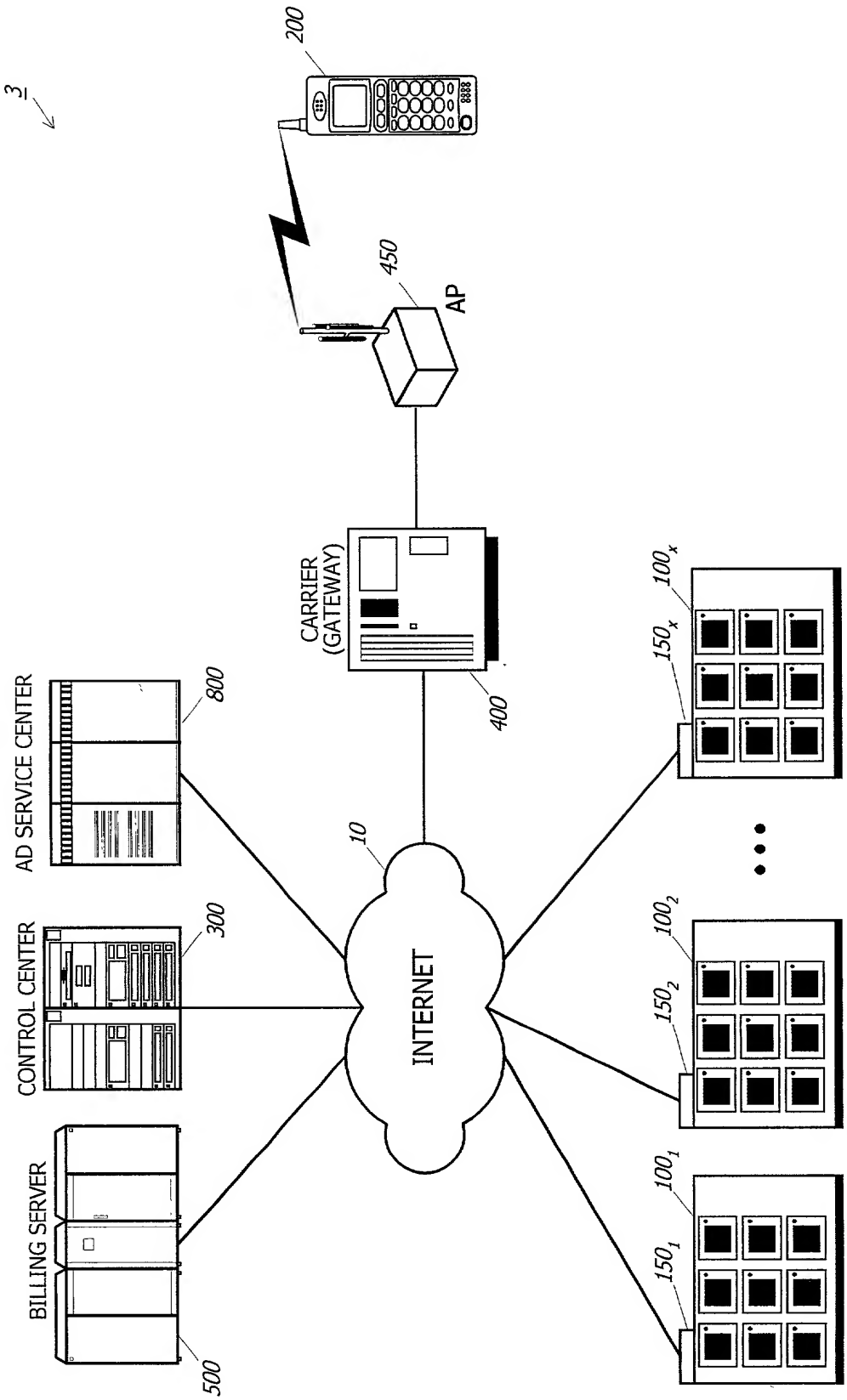
3
200
450
AP
CARRIER (GATEWAY)
400
10
INTERNET
AD SERVICE CENTER
800
CONTROL CENTER
300
BILLING SERVER
500
100x
150x
100₂
150₂
100₁
150₁

FIG. 21

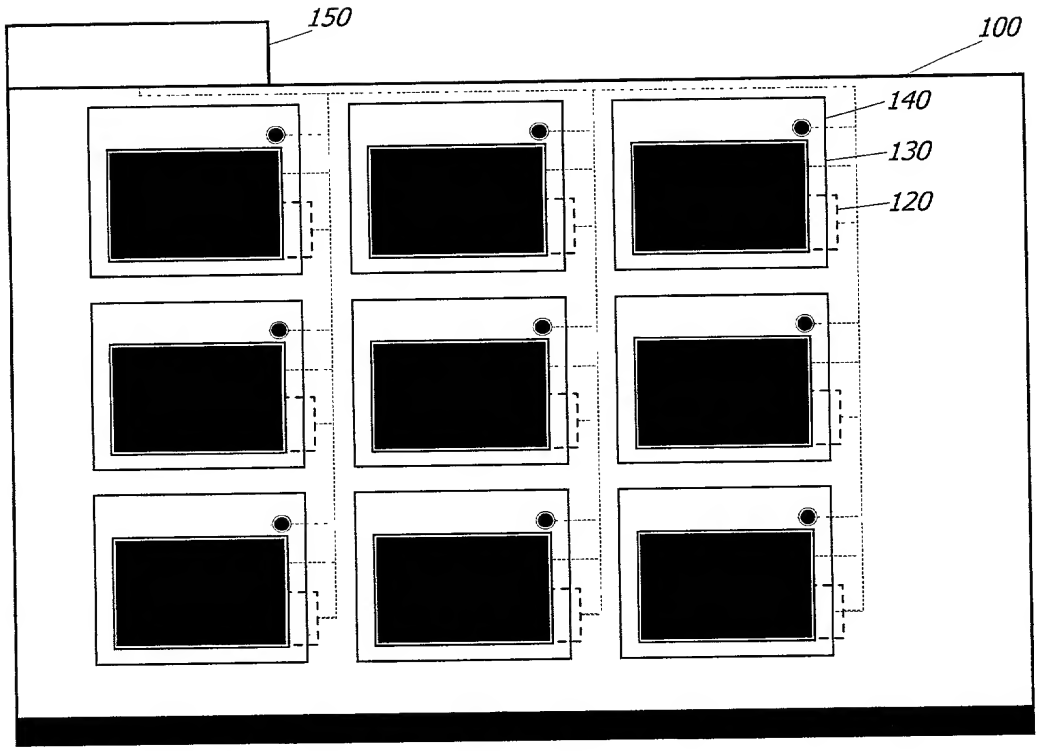

FIG. 22

Q67776 - 22/23

Q67776 - 10/025,807

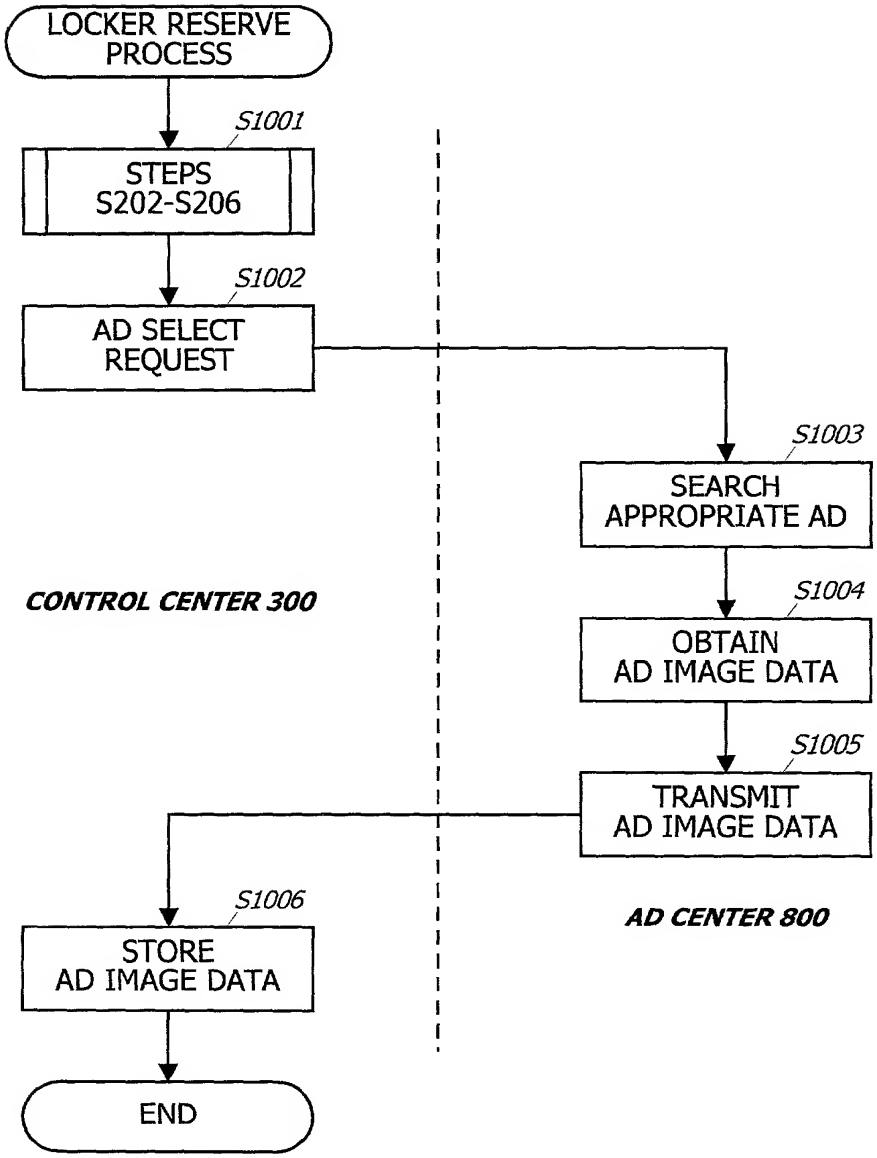

FIG. 23